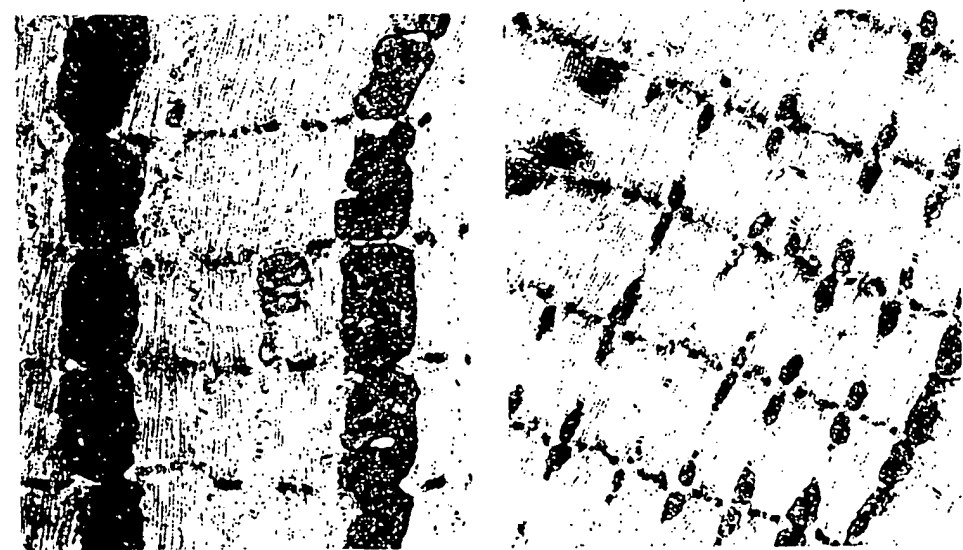


FIG. 3

FIG. 5A



EDL

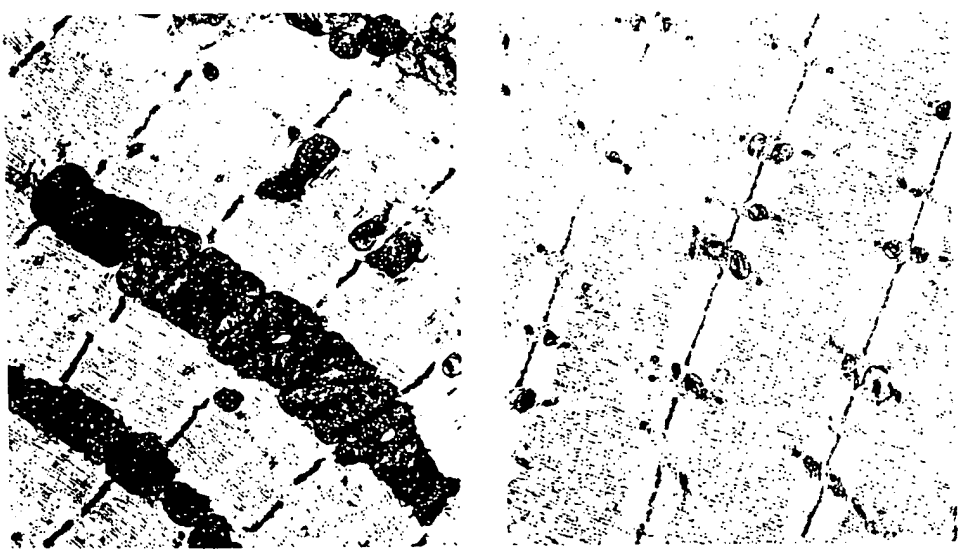


FIG. 5B

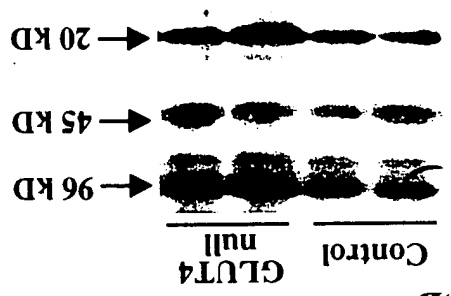
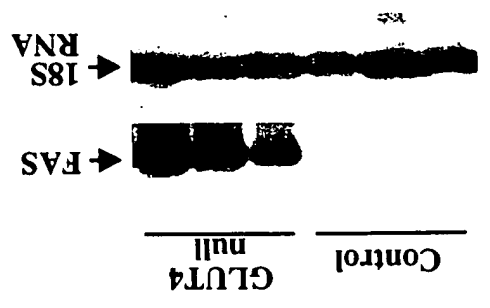
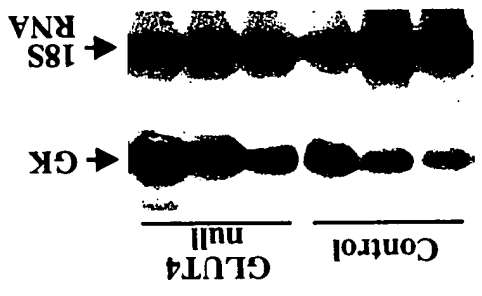


FIG. 5C



FIG. 5D





Form PTO 948 (Rev. 03/01)

U.S. DEPARTMENT OF COMMERCE - Patent and Trademark Office

Application No. 9/516,493NOTICE OF DRAFTSPERSON'S
PATENT DRAWING REVIEWThe drawing(s) filed (insert date) 3-1-00 are:A. ☐ approved by the Draftsperson under 37 CFR 1.84 or 1.152.B. ☒ objected to by the Draftsperson under 37 CFR 1.84 or 1.152 for the reasons indicated below. The Examiner will require submission of new, corrected drawings when necessary. Corrected drawing must be submitted according to the instructions on the back of this notice.1. DRAWINGS. 37 CFR 1.84(a): Acceptable categories of drawings:
Black ink. Color.

Color drawings are not acceptable until petition is granted.

Fig(s) _____

Pencil and non black ink not permitted. Fig(s) _____

2. PHOTOGRAPHS. 37 CFR 1.84(b)

1 full-tone set is required. Fig(s) _____

Photographs may not be mounted. 37 CFR 1.84(c)

Poor quality (half-tone). Fig(s) _____

3. TYPE OF PAPER. 37 CFR 1.84(e)

Paper not flexible, strong, white, and durable.

Fig(s) _____

Erasures, alterations, overwritings, interlineations,

folds, copy machine marks not accepted. Fig(s) _____

Mylar, velum paper is not acceptable (too thin).

Fig(s) _____

4. SIZE OF PAPER. 37 CFR 1.84(f): Acceptable sizes:

21.0 cm by 29.7 cm (DIN size A4)

21.6 cm by 27.9 cm (8 1/2 x 11 inches)

All drawing sheets not the same size.

Sheet(s) _____

Drawings sheets not an acceptable size. Fig(s) _____

5. MARGINS. 37 CFR 1.84(g): Acceptable margins:

Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm

SIZE: A4 Size

Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm

SIZE: 8 1/2 x 11

Margins not acceptable. Fig(s) 35, 9

Top (T) _____ Left (L) _____

Right (R) _____ Bottom (B) _____

6. VIEWS. 37 CFR 1.84(h)

REMINDER: Specification may require revision to correspond to drawing changes.

Partial views. 37 CFR 1.84(h)(2)

Brackets needed to show figure as one entity.

Fig(s) _____

Views not labeled separately or properly.

Fig(s) 9

Enlarged view not labeled separately or properly.

Fig(s) _____

7. SECTIONAL VIEWS. 37 CFR 1.84 (h)(3)

Hatching not indicated for sectional portions of an object.

Fig(s) _____

Sectional designation should be noted with Arabic or

Roman numbers. Fig(s) _____

8. ARRANGEMENT OF VIEWS. 37 CFR 1.84(i)

Words do not appear on a horizontal, left-to-right fashion when page is either upright or turned so that the top becomes the right side, except for graphs. Fig(s) _____

9. SCALE. 37 CFR 1.84(k)

Scale not large enough to show mechanism without crowding when drawing is reduced in size to two-thirds in reproduction.

Fig(s) _____

10. CHARACTER OF LINES, NUMBERS, & LETTERS.

37 CFR 1.84(i)

Lines, numbers & letters not uniformly thick and well defined, clean, durable, and black (pour line quality).

Fig(s) _____

11. SHADING. 37 CFR 1.84(m)

Solid black areas pale. Fig(s) _____

Solid black shading not permitted. Fig(s) _____

Shade lines, pale, rough and blurred. Fig(s) _____

12. NUMBERS, LETTERS, & REFERENCE CHARACTERS.

37 CFR 1.84(p)

Numbers and reference characters not plain and legible.

Fig(s) 9, 7

Figure legends are poor. Fig(s) _____

Numbers and reference characters not oriented in the

same direction as the view. 37 CFR 1.84(p)(1)

Fig(s) _____

English alphabet not used. 37 CFR 1.84(p)(2)

Figs _____

Numbers, letters and reference characters must be at least

.32 cm (1/8 inch) in height. 37 CFR 1.84(p)(3)

Fig(s) _____

13. LEAD LINES. 37 CFR 1.84(q)

Lead lines cross each other. Fig(s) _____

Lead lines missing. Fig(s) _____

14. NUMBERING OF SHEETS OF DRAWINGS. 37 CFR 1.84(i)

Sheets not numbered consecutively, and in Arabic numerals

beginning with number 1. Sheet(s) _____

15. NUMBERING OF VIEWS. 37 CFR 1.84(u)

Views not numbered consecutively, and in Arabic numerals,

beginning with number 1. Fig(s) _____

16. CORRECTIONS. 37 CFR 1.84(w)

Corrections not made from prior PTO-948

dated _____

17. DESIGN DRAWINGS. 37 CFR 1.152

Surface shading shown not appropriate. Fig(s) _____

Solid black shading not used for color contrast.

Fig(s) _____

COMMENTS

REVIEWER

J. Chase

DATE

3-5-03

TELEPHONE NO.

703 305 8430

ATTACHMENT TO PAPER NO. _____



GT4	GMGFQYVADR	MGPY-VFLLF	AVLLLGFFIF	TFLKVPETRG	RTFDQISAAF
GTx	TKEFNSIMEI	LRPYGAFWLT	AAFCILSVLF	TLTFVPETKG	RTLEQITA-F
Consensus	...F.....	..PY..F.L	A.....F	T...VPET.G	RT..QI.A.F

FIG. 6

GTx	VGSMCLFIAG	FAVGWGPIPW	LLMSEIFPLH	IKGVATGVCV	LTNWFMAFLV
Rgt2	IAFICLFIAA	FSATWGGVW	VVSAELYPLG	VRSKCTAICA	AANWLVNFTC
Snf3	IAFICLFIAA	FSATWGGVW	VISAELYPLG	VRSKCTAICA	AANWLVNFIC
Consensus	IAFICLFIAA	FSATWGGVW	V.SAEYLYPLG	VRSKCTAICA	AANWLVNF.C

FIG. 7



HUMAN nucleic acid sequence

AACTTGCGGGCCGCCGCGTCTTCCTCGCCGCCTTCGCCGCTGCCCTG
GGCCCACTCAGCTTCGGCTTCGCGCTCGGCTACAGCTCCCCGGCCA
TCCCTAGCCTGCAGCGCGCCCGCGCCCCCGGCCCGCGCCTGGACG
ACGCCGCGCGCCTCCTGGTTCGGGGGCTGTCGTGACCCTGGGTGCCG
CGGCGGGGGGAGTGCTGGGCGGGCTGGCTGGTGGACCGCGCCGGG
CGCAAGCTGAGCCTCTTGCTGTGCTCCGTGCCCTTCGTGGCCGGCTT
TGCCGTCATCACCGCGGGCCAGGACGTGTGGATGCTGCTGGGGGG
CCGCCTCCTCACCGGCCTGGCCTGCGGTGTTGCCTCCCTAGTGGCCC
CGGTCTACATCTCCGAAATCGCCTACCCAGCAGTCCGGGGGGTTGC
TCGGCTCCTGTGTGTCAGCTAATGGTCGTGTCGGCATCCTCCTGGC
CTACCTGGCAGGCTGGGTGCTGGAGTGGCGCTGGCTGGCTGTGCT
GGGCTGCGTGCCCCCCTCCCTCATGCTGCTTCTCATGTGCTTCATG
CCCGAGACCCCGCGCTTCCTGCTGACTCAGCACAGGCGCCAGGAG
GCCATCGCCCTGCGGTTCCCTGTGGGGCTCCGAGCAGGGCTGGGAA
GACCCCCCATCGGGGCTGAGCAGAGCTTTCACCTGGCCCTGCTGC
GGCAGCCCGGCATCTACAAGCCCTTCATCATCGGTGTCTCCCTGAT
GGCCTTCCAGCAGCTGTGCGGGGGTCAACGCCGTCATGTTCTATGCA
GAGACCATCTTTGAAGAGGCCAAGTTCAAGGACAGCAGCCTGGCC
TCGGTCGTGCTGGGTGTCATCCAGGTGCTGTTTACAGCTGTGGCG
GCTCTCATCATGGACAGAGCAGGGCGGAGGCTGCTCCTGGTCTTG
TCAGGTGTGGTCATGGTGTTCAGCACGAGTGCCTTCGGCGCCTACT
TCAAGCTGACCCAGGGTGGCCCTGGCAACTCCTCGCACGTGGCCAT
CTCGGCGCCTGTCTCTGCACAGCCTGTTGATGCCAGCGTGGGGCT
GGCCTGGCTGGCCGTGGGCAGCATGTGCCTCTTCATCGCCGGCTT
TGCGGTGGGCTGGGGGGCCCATCCCCTGGCTCCTCATGTCAGAGAT
CTTCCCTCTGCATGTCAAGGGCGTGGCGACAGGCATCTGCGTCCTC
ACCAACTGGCTCATGGCCTTTCTCGTGACCAAGGAGTTCAGCAGCC
TCATGGAGGTCCTCAGGCCCTATGGAGCCTTCTGGCTTGCCTCCGC
TTTCTGCATCTTCAGTGTCCTTTTCACTTTGTTCTGTGTCCCTGAA
ACTAAAGGAAAGACTCTGGAACAAATCACAGCCCATTTTGAGGGGGC
GATTGACAGCCACTCACTAGGGGATGGAGCAAGCCTGTGACTCCAA
GCTGGGCCCCAAGCCCAGAGCCCCCTGCCTGCCCCAGGGGGAGCCAGA
ATCCAGCCCCCTTGGAGCCTTGGTCTGCAGGGTCCCTCCTTCCTGTC
ATGCTCCCTCCAGCCCATGACCCGGGGCTAGGAGGCTCACTGCCTC
CTGTTCCAGCTCCTGCTGCTGCTCTGAGGACTCAGGAACACCTTCG
AGCTTTGCAGACCTGCGGTCAGCCCTCCATGCGCAAGACTAAAGCA
GCGGAAGAGGAGGTGGGCCTCTAGGATCTTTGTCTTCTGGCTGGA
GGTGCTTTTGNAGGTTGGGTGCTGGGCATTGCGGTGCTCCTCTCAC
GCGGCTGCCTTATCGGGAAGGAAATTTGTTTGCCAAATAAAGACGT
GACACAGAAAATCAAAAAAAAAAAAAAAAAAATTCC

FIG. 9